

BEST PRACTICES		CONTROL PANEL GAUGES													
		General Application-No Gauge Impact													
		Defects by Activity													
		Warnings													
		Risk Liability		X											
		Risk Impact		X											
		Overtime Hours													
		Voluntary Turnover													
		Aggregate Requirements Growth													
		Quality Gates Progress													
		Tasks													
		"Abba Chart"													
		TCPI													
		CPI													
		Cumulative Dollars													
		Cumulative Months													
Cumulative Earned Value Delivered															
		Risk Management													
Establish Management Reserves for Risk Resolution															
Implement Metrics-based Risk Decisions															
Perform Continuous Risk Management															
Formalize Risk Tracking and Review															
Manage Impact of External Dependencies															
		Planning													
Quantitative Software Estimation/Verification		X	X	X	X	X									
Joint Team Involvement															
Activity Planning															
Data Requirements															
		Program Viability													
Practical Project-Oriented Software Measurement Process		X	X												
Issue-Driven Measures															
Internal Engineering Analysis Process															
Effective Communication Structure															
		Program Control													
Test Methodology															
Regression Testing															
Computer-Aided Software Testing															
Error Source Location															
Independent Verification and Validation (N&V)															
Quality Gate Completion Criteria		X													
Configuration Management Coverage															
Requirements Change Management															
Baseline Methodology															
Technical Quality Assurance															
		Engineering Practices and Culture													
Include User in a Multi-Disciplined Requirements Support Team															
Encourage Compatible Analyses and Design Methods															
Encourage Software Architecture Definition and Maintenance															
Encourage Requirements Engineering Process that Includes Use of Prototypes, Models and Simulations															
Encourage Proactive Change Impact Analysis															
Plan for Domain Engineering in Acquisitions															
Encourage Use of Clean Room Techniques															
Enterprise Practices Tailored to Projects															
Encourage Use of Software Development Standards such as MIL-STD-498															
Assessing Organizational Effectiveness															
		Process Improvement													
Identifying and Fostering Sponsorship															
Establishing/Maintaining the Framework for Process Improvement															
Assessing/Reassessing an Organization's Process Quality															
Developing a Software Process Improvement Plan															
Institutionalizing the Software Process Improvement Plan															
Closing the Loop for Software Process Improvement															
		Solicitation and Contracting													
Management of COTS, Reuse and Emerging Technologies															
Employ a Customer/Contractor Integrated Project Team															
Use of Periodic Demos															
Utilize Software Development Capability Evaluation (SDCE)															

FIGURE 6.2 RELATIONSHIP BETWEEN CONTROL PANEL GAUGES AND BEST PRACTICES